

Title (en)

Gas turbine engine component cooling scheme

Title (de)

Kühlsystem für Gasturbinenbauteil

Title (fr)

Système de refroidissement de composant de moteur de turbine à gaz

Publication

EP 1956192 A2 20080813 (EN)

Application

EP 08250455 A 20080207

Priority

US 67260407 A 20070208

Abstract (en)

A gas turbine engine component (28) includes a platform (30) and an airfoil (32) extending from the platform (30). The platform (30) includes an outer surface (38). A cover plate (52) is positioned adjacent to the outer surface (38) of the platform (30). A cooling channel (54) extends between the outer surface (38) and the cover plate (52) and receives cooling air to cool the platform (30) and the airfoil (32).

IPC 8 full level

F01D 9/04 (2006.01); **F01D 25/08** (2006.01)

CPC (source: EP US)

F01D 9/041 (2013.01 - EP US); **F01D 25/08** (2013.01 - EP US); **F05D 2240/81** (2013.01 - EP US); **F05D 2260/221** (2013.01 - EP US)

Citation (applicant)

US 5743708 A 19980428 - CUNHA FRANCISCO J [US], et al

Cited by

EP3800327A1; US11346246B2; US11466577B2; WO2019108216A1

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1956192 A2 20080813; **EP 1956192 A3 20111026**; **EP 1956192 B1 20150805**; US 2008190114 A1 20080814; US 2011070082 A1 20110324; US 2011070097 A1 20110324; US 7862291 B2 20110104; US 8403631 B2 20130326; US 8403632 B2 20130326

DOCDB simple family (application)

EP 08250455 A 20080207; US 67260407 A 20070208; US 95351310 A 20101124; US 95351410 A 20101124